PCT/IT2004/000054

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CLAIMS

- 1. A method for treating the smell of the human foot making use of an active deodorizing principle, characterized in that said active principle consists of elementary sulphur or, in any case, a substance capable of liberating elementary sulphur.
- 2. The method according to claim 1, wherein said active principle is utilized for treating or, partially or wholly, impregnating textile and/or footwear products intended to be worn on the foot.
- 3. The method according to claim 2, wherein said textile products are treated or impregnated with a composition comprising, besides said active principle, a resin capable of stably fixing said active principle to said products and to release it gradually in the course of time.
 - 4. The method according to claim 3, wherein said active principle and said resin are distributed in a non-aqueous composition with which said products are impregnated or sprayed.
- 20 5. The method according to claim 3 or claim 4, wherein said active principle and said resin are distributed in an aqueous bath in which said products are immersed.
- 6. The method according to claim 5, wherein said active principle in said aqueous bath has a concentration comprised between 0,3 and 1.0 g/l, said resin being a silicon resin and having a concentration comprised between about 10 and 20 g/l, said aqueous bath comprising also a cationic surfactant and a softener having a concentration of, respectively, between about 10 and 20 g/l and between about 2 and 5 g/l.
 - 7. The method according to claim 6, wherein said aqueous bath is brought to a temperature of at least 40°C.

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- 8. The method according to claim 5, wherein said active principle has a concentration comprised between 5 and 10 g/l and is emulsified with a non-ionic surfactant, said resin being an emulsified acrylic resin and having a concentration comprised between about 3 and 5 g/l, the bath having a pH made slightly acid by means of acetic acid in case of wool-base products or a neutral pH in case of products with a cellulose base.
- 9. The method according to claim 8, wherein said textile products, subsequently to said bath, are wrung and dried at a temperature of at least about 150°C in order to polymerize said acrylic resin.
 - 10. The method according to claim 2, wherein said active principle is mixed with a glue utilized for assembling a shoe or a part thereof.
 - 11. The method according to any one of the preceding claims, wherein said active principle is wettable micronized sulphur.
- 12. A composition for the deodorizing treatment of the human foot making use of an active deodorizing principle, characterized in that said active principle is elementary sulphur.
- 13. The method according to claim 12, capable of being utilized for partially or integrally treating textile and/or footwear products intended to be worn on the foot, comprising in addition to said active principle also a resin capable of stably fixing said active principle on said products and to release it gradually in the course of time.
- 30 14. The method according to claim 13, comprising said active principle and said resin distributed in an aqueous bath in which said products are immersed.

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15. The method according to claim 14, wherein said active principle has a concentration comprised between 0,3 and 1.0 g/l, said resin being a silicon resin and having a concentration comprised between about 10 and 20 g/l, said aqueous bath comprising also a cationic surfactant and a softener having a concentration of, respectively, between about 10 and 20 g/l and between about 2 and 5 g/l.

16. The method according to claim 14, wherein said active principle has a concentration comprised between 5 and 10 g/l and is emulsified with a non-ionic surfactant, said resin being an emulsified acrylic resin and having a concentration comprised between about 3 and 5 g/l, the bath having a pH made slightly acid by means of acetic acid in case of wool-base products or a neutral pH in case of products with a cellulose base.

- 17. The method according to claim 12, wherein said composition is a deodorizing cream for local application, comprising about 3% by weight of elementary sulphur mixed with vaseline and lanoline in equal percentages.
- 20 18. The method according to claims 12 to 17, wherein said active principle is wettable micronized sulphur.
 - 19. Textile and/or footwear products integrally or partially impregnated or treated with a composition in accordance with any of claims 12 to 18.